

Claims

1. A fluid delivery system for a power toothbrush, the power toothbrush including a brushhead part having bristles located thereon for cleaning of teeth, comprising:

a fluid reservoir adapted to be located within the power toothbrush, the reservoir having a fluid volume capacity to accommodate approximately only a single unit-of-use for only one brushing event of typical time length, approximately a maximum 4 ml of fluid;

a pump member and associated fluid line for moving fluid from said reservoir to the brushhead part of the power toothbrush; and

a dispensing member adapted to be located in the brushhead part of the power toothbrush connected to said fluid line, permitting exit of fluid to the vicinity of the bristles, under pressure provided by the pump member.

2. A system of claim 1, wherein the pump member is located in the brushhead.

3. A system of claim 1, wherein the pump member includes a chamber and a ball which moves within the chamber in response to the movement of the brushhead in operation of the toothbrush, wherein movement of the ball results in fluid moving from the reservoir into the pump member and then from the pump member to the dispensing member in the brushhead.

4. A system of claim 1, wherein the dispensing member is a valve which is positioned in the brushhead such that a free end portion of said valve extends to a point which is above a base surface of the brushhead, in the midst of bristle portions of the brushhead.

5. A fluid delivery system for a power toothbrush including a brushhead part having bristles located thereon for cleaning of teeth, comprising:

a fluid reservoir adapted to be located within the power toothbrush, the reservoir having a fluid volume capacity to accommodate approximately only a single unit-of-use for only one brushing event of typical time length;

a pump member and associated fluid line for moving fluid from said reservoir to the brushhead part of the power toothbrush; and

a dispensing member adapted to be located in the brushhead parts of the power toothbrush connected to said fluid line, permitting exit of fluid to the vicinity of the bristles, under pressure provided by the pump member.